

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. 1 These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

<sup>1/</sup> Summary of Cotton Fiber and Processing Test Results, Crop of 1975, USDA, AMS, Cotton Division, May 1976.

## Discussion of Test Results

Short staple cottons tested through January 7 from the Southwestern Area are longer, coarser and weaker than last year, according to the Cotton Division, Agricultural Marketing Service, USDA. Shirley Analyzer nonlint content is lower, while picker and card waste is higher than a year ago. Yarns spun from these samples are weaker but have fewer imperfections. Spinning potential yarn number is a little lower.

Average test results for all medium staple samples tested show slightly shorter and stronger fibers than a year ago. Shirley Analyzer nonlint content is lower, but picker and card waste is higher. Yarns spun from these samples are stronger and have fewer imperfections compared to a year ago at this time. Yarn appearance is slightly lower as is the spinning potential.

Medium staple samples tested from the Southeast show fibers to be slightly longer, more uniform, coarser and stronger than a year earlier. Shirley Analyzer nonlint content is slightly lower. Yarns spun from these samples are stronger with fewer imperfections. Average spinning potential is higher.

South Central medium staple samples tested are longer, less uniform and slightly finer than a year ago. Samples are stronger at zero gage tests. Shirley Analyzer nonlint content is lower, while picker and card waste is higher than a year ago. Yarn skein strength is slightly stronger and imperfections are fewer than a year earlier. Spinning potential is lower.

Southwestern medium staple samples tested are coarser and more uniform than a year earlier. Shirley Analyzer nonlint content is lower, while picker and card waste is higher than a year ago. Yarns have a higher appearance index and fewer imperfections.

Medium staple samples from the West have slightly shorter and weaker fibers than a year ago. Picker and card waste is higher than a year ago. Yarns spun from these samples are weaker and have lower appearance grades. Yarn imperfections are fewer. The spinning potential yarn number is lower.

Long staple samples tested through January 7 this season are longer, more uniform and coarser than a year earlier. Fiber strength is about the same as last season. Shirley Analyzer nonlint content and manufacturing waste are lower this season. Yarns spun from these samples are stronger and have fewer imperfections. The spinning potential yarn number is slightly higher than it was last season.

Long staple cottons tested from the Southeast are longer and more uniform than a year ago. Fibers are coarser and stronger. Shirley Analyzer nonlint content, picker and card waste, and comber waste are all lower than last season. Yarn quality is better than a year ago.

No additional long staple lots were received from the South Central Area during this test period.

Long staple samples from the Far West have longer, more uniform and slightly coarser fibers than in the previous season. Shirley Analyzer nonlint content and picker and card waste are higher than a year ago but comber waste is lower. Yarn strength is higher. Yarns have about the same appearance grades as last season but fewer imperfections. The spinning potential yarn number is much higher.

American Pima extra long staple samples tested through January 7 this season have about the same length, strength and mike properties as a year earlier. Picker and card waste and comber waste are both lower than last season. Yarns spun from these samples have about the same quality characteristics as a year ago.

Averages of fiber and processing tests from selected gin points in the United States through January 7, 1977  $$\rm 1J$ 

Table 1.--Cotton:

			Fib	Fiber test	results				Processi	Processing test results	esults	
Ω,	Lots	Fibrograph	graph	Mike fine-	Fiber	strength	₹.	ت ع م	Yarn	n quality		Spin.
	ממו	2.5% spen	50/2.5 unif.	ness	Zero gage	1/8" gage	nonlint		Skein str.	ppear- ance	Imperf- actions	Potent.
	<u>%</u>	Inches	æt.	Rdg.	Mpsi	G/tex	æt.	Pet.	Lbs. 22s	Index	No. Yarn	Yarn No.
	53 54	76.	45 45	6.4 6.6	78 98	21 21	7.8	6.7	97	107	20 14	75 70 70
	743 748	1.07	44 45	44.	83 85	23 53	w. 4.0	6.9	97	97	25	53
South Central 1975 1976	114 122	1.10	†††	. c.	85 88	ଝଝ	3.1	5.7	105	101	21 17	59 55
	34 37	1.06	43 45	3.7	8 8 8 8	8 8	3.7	6.2	103 103	87 93	32 24	56 55
	68	1.12	45 45	4.7	89 89	25 25		7. r.	124 119	93 89	23 19	69
	259	1.09	45 45	4.4	86 87	23 24	3.8 1.8	6.8	108	97	23	60 58
Significant dif- ference 2/		0.02	Q	0.2	N	н	0.5	0.5	4 (22s)	5	Q	ന

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Averages of fiber and processing tests from selected gin points in the United States through January 7, 1977

Table 1.--Cotton:

		G.	Fiher '	There B	+11130	U				4	Processing Meet Beaulte	Theet	Apen te			
Staple group,		Length		·	Strength	gth 1	SA	2,00	Combos		Ya	Yarn Quality	lity			
Area, and Crop year	Lots	Span	Unif Mike	Mike	Zero	1/8" gage	Non- lint	Waste		Strength carded combed		Appe	Appearance carded combed	Imprfctns	ctns	SPY
	No.	In.	Pet.	Rdg.	Mpsi (	G/tx	Pct.	Pet.	Pct.	Lbs. 1	Lbs.	Indx	Lbs. Indx Indx	<u>8</u>	્રે	S S
Long Staple: Southeast 1975 1976	17	1.09	43 45	7.7	85 86	23	3.7	9.6	18.8 15.8	91 115	115 136	110 104	119 116	ର ର	10	57 99
South Central 1975 1976	9 %	1.11	43 45	4.0	91	8,33	3.38	0,0 0,0	18.1 20.3	104 109	1 <b>2</b> 5 137 ·	110	120 103	19	9	62 57
West 1975 1976	17	1.16	45 46	3.3 4.5	93	25	3.7	8.7	16.1 13.4	138 144	158 166	82 84	28	35.9	22 16 1	89 105
U.S. Average 1975 1976	5 8	1.13	44 45	3.8	89	5¢ 5¢	3.3. 3.5.	9.2	17.6	113 121	135 143	8,88	109	<b>8</b> 88	15	70
Extra Long Staple:				Array	<b></b> 6			Amer	American Pi	Pima		50's	Combed	Yarn		
West 1975 1976	9	1.47	31	3.6	104 102	34	0, 0, 0, 0,	7.5	18.4		67 65		111		લ લ	
Significant Difference 2/		0.02	8	0.2	8	1	0.5	0.5	0.5	4(22s)	4(22s) 2(50s)	5	5	Q	Q	က
1/ Resed on a limited mumber of	imil a	+ 4 0 011	hor	mas J.	امالا	ره سري	l	7+1 Lau								ŀ

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table. <u> </u>

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1976

1 1	ı						- 0 -							
	Spin. Poten- tial	8	40	0	43	99	54	52	45	70	64	38	33 40 39	1
	Imprfect'ns 8s or 22sor 74 tx 27 tx	<u>8</u>	20	12	1,	20	11	19 17	•	10	45	12	8 01 0	=
Yarns	Imprfe 8s or 74 tx		<b>4 4 4</b>	19	22	36	26 28	35 34	19	21	11	19	20 20 20	21
Carded >	ance x 22sor 27 tx	<u>8</u>	001	110	110	110	110	90	110	110	80	120	100 110 110	110
Results - C	Appearance Index 8s or 22sc 74 tx 27 t	N N	120	120	130	120	130	120	120	110	100	120	130 130 130	130
Test Resu	Elongation 8s or 22s or 74 tx 27 tx		44	5.6	0.9	6.5	6.9	6.9	5.6	5. 7. 7. 7.	7.3	5.8	5.6	5.9
Processing T	l ' l '	A	ENf 7.3 7.3	ENT 6.4	ENT 7.1	ENT 7.5	.ENI 8.1 8.5	ENT 8.3 8.3	ENT 6.6	PERCENT 83 6.1 87 6.4	PERCENT 93 8.5	.ENT 7.2	6.5 6.3 6.3	PERCENT 91 6.4
Proce	22s or	Lbs	PERCENF 93 7.888 7.	PERCENT 90 6.	PERCI 93	PERCENT 1 06 7.	PERCENT 100 8- 100 8-	PERCENT 99 8-	PERCET 87			PERC 90	77 77 88 86	5 PER( 91
	Strength  8s or 22	20	100 284 274	100 282	80 285	313	90 303 299	75 304 299	270	100 272 268	95 297	90 278	100 248 274 273	212
	P&C Waste	Pet	7.6	6.2	7.1	6.9	6.1	7.3	6.1	6.6 6.8	7.9	7.8	7.7 6.1 6.5	<b>.</b>
	Color w Stock a Yel	원 	mm	3	~	4	75.75	5 5	6	m m	7	<b>~</b>	m m **	М
	Co Raw Gra	8	mm	2	ю	W	m m	m m	7	3	5	æ	w 5 5	7
	S.A. Non-	Pct	9.4	2.6	3.3	5.1	3.0	3.3 3.7	2.8	3.0	4.6	0 • 0	3.0 3.0	7.
lts	Elon- gat'n 1/8"	Pct	611 8.1 7.6	LX571 6.8	R 31	M70 6.8	ER 909 7.7 7.9	ER 909 7.4 7.6	57	LX571 6.5 6.3	ER 18	R 31	57 6.7 6.4 7.7	75 7
lest Results	ngth 1/8"	G/tex	LANKART 20 21	LANKART 21	STRIPPER 22	MGRCOT 22	PAYMASTER 22 7- 22 7-	PAYMAST 22 22	LANKART 20	LANKART 21 21	PAYMASTE 21	STRIPPE 21	LANKART 20 20 20	L ANKART 22
Fiber Tes	Fiber Strength Zero 1/8	Mpsi	79	86	8	82	81 76	80	92	89 87	81	90	98 98 85	48
	Mike	Rdg	4°5 3°8	5.2	3.4	3.1	3.1 3.0	3.1 3.1	5.2	4.5	2.6	0.4	5.0	5.3
	tal raph Unif	Pct	47	47	4,	45	44	11	94	<b>4</b> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	‡	4	444	<b>46</b> erk
	Digital Fibrograph 2.5% Uni	unds und	0.97	0.98	0.91	16.0	1.00	1.03	96*0	0.96	0.95	0.87	0.91 0.92 0.93	AHOMA RANDFIELO SLM LT SP 42 31 0.97 4 Reduced from 42 because of bark
	Stple	32s AR EA	32 1/31	32	30	1/32	32	52 1/32 43 2/31	31	31 31	3/31	30	30 31 31	31 becau
rea,	————		2.2	42	33	52 <sup>1</sup>	433	52 1 43 9	32	45	53	42	444	<b>42</b> m 42
ion A	silicat & le Numb Grade	000	TEXAS SP 5	NET T SP		S G		~ «	S	S P	NO.	SP.	SP	FELD T SP d fro
Production Area,	Sample Number	SOUTHWEST	NORTHWEST ANSON 2 LM LT S	BURKBURNETT 3 SLM LT SP	HART 3 MIO SP	LOCKNEY 3 LM LT S	LORENZO 2 MIO SP 3 SLM SP	LUBBOCK 2 LM LT 3 3 SLM SP	CLNEY 1 MTO LT	RULE 2 SLM LT 3 SLM LT	SILVERTON 2 LM SP	TULIA 3 SLM LT	VERNON 1 SLM LT 2 SLM LT 3 SLM LT	OKLAHOMA GRANDFIELD 3 SLM LT SP 1/ Reduced fro

1/ Reduced from 42 because of bark 2/ Reduced from 33 because of bark 3/ Reduced from 43 because of bark

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976

		Spin.	tial	No		4.7	50	49		9	63	51		4 4 w r	45	45	51 50	
		Imprfect'ns	50s or	V. 9.		29	12	12		20	14	12		22	11	52	3.7	
rns		Imprfe	22s or	<u> </u>		35	17	16		59	15	91		29	21	25	52 51	
Carded Yarns	9	200	50s or			09	80	70		70	70	80		09	90	9	09	
1 1	۾ ا	Index	22s or 9	i .		02	100	100		06	100	06		80 90	90	70	07	
sst Resu		ation	50s or	닯		5.1	;	4.8		4.3	4.3	<b>6.</b> 3		4.3	4.6	4.6	4.8	
Processing Test Results	17	ngth	22s or 50s or 22s or 27 tx 12 tx 27 tx	bs Lbs Per		90 PERCENT 100 31 6.4	95 PERCENT 101 32 6.3	80 PERCENT 110 36 6.5		80 PERCENT 108 35 6.2	95 PERCENT 117 39 5.6	70 PERCENT 95 30 6.2		70 PERCENT 93 30 6.J 102 33 6.J	75 PERCENT 99 32 6.1	100 PERCENT 101 34 6.4	100 PERCENT 106 35 6.1 108 35 6.7	
		P & C	n g	Pct		7.4	1.9	5.7		5.4	4.2	6.3		8.1 8.2	7.2	7.5	8.0	
	Color	Raw Stock	Yel	욁		7	m	8		т	m	en.		94	2	•	<b>√</b> 0 €	
	8	Raw	Gra	욁		2	2	ю		7	-	6		4 m	-	*	4 10	
		S.A.	Lint	Pet		5.2	9.0	2.4		2.9	2.4	2.2		3.2 3.2	3.0	4.2	5.8	
lts	i	Elon- gat'n	1/8"	Pet		I NE 16 7.2	INE 16 7.2	INE 25 7.6		201	417 5.6	INE 16 7.9		7.4	7.3	312 * 6.6	\$110* 6.2 7.3	
Test Results	Fiber	ength	Gage	G/tex		DELTAPINE 22 7.	DEL TAP I NE	DELTAPINE 22 7.		COKER 23	COKER 24	DELTAPINE 21 7.		GSA71 21 22	GSA71 22	COKER 23	CCKER 24 22	
Fiber T	Fi	Stre	Gage	Mpsi		22	80	85		80	16	18		8 8 8 8	84	80	82 77	
		Mike		ŽĮ.		3.1	4.2	••		3.8	4.6	8.		3.4 3.6	4.3	3.0	3.3 2.9 % in an	
	7	raph	Unit	F		42	;	43		\$	*	4		44	94	39	<b>40</b> <b>40</b> han 10	bark bark bark
	Digital	Fibrograph	- 1	티		66.0	1.03	1.05		1.10	1.10	1.11		0.95	26.0	1.06	1.11 1.09	use of b
			Stple	328	AREA	33	33	33	AREA	34	35	34	AR EA	32	32	35	431/35 53 $3/34$ for tests	becar becar becar
Area,	1		П			× 51	45	11E	₹	51	7	45	₹	431/32 431/32 522/32	4	431/35	431 533 for t	om 33 om 42 om 43
Production Area, Classification	& Sample Mumber	Grade	Nea		SOUTH CENTRAL	MISSISSIPPI WATER VALLEY 4 LM	TENNESSEE BRADEN 4 SLM LT SP	MCLEMORESVILLE 3 SLM SP 43	SOUTHEAST	ALABAMA PCUNDVILLE 3 LM	PRATTVILLE 3 SLM	GEORGIA SHELLMAN 3 SLM LT SP	SOUTHWEST	NORTHWEST TEXAS HALE CENTER 2 SLM SP 4	LCCP 2 SLM	LUBBOCK 2 SLM SP	LUBBUCK 2 SLM SP 431/35 1.11 40 3.3 3 LM SP 533/34 1.09 40 2.9 *100% selected for tests, less than loow in area	1/ Reduced from 33 because of bark 2/ Reduced from 42 because of bark 3/ Reduced from 43 because of bark

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

	,	- 1															
	Spin. Poten-	tial	위		46 51	53	41	45	55	76 78	12	18	61	73	92	14	
	t l		일		18	15	1.4	11	11	22 15	1.7	15	14	15	23	1.7	
arns	Imprfe	άç	위		20 16	19	17	22	14	22	18	19	20	22	28	22	
Carded Yarns		o x	외		70	02	70	70	70	70 80	70	02	2	2	9	02	
1 .		å ×	윈		06	90	06	06	90	06	80	90	80	80	02	80	
Test Results		i x	Pet		4.5	4.5	3.8	0.4	4.7	4.8	8.4	9•4	5.2	9.4	1.4	3.9	
ng Tes	Buc	s or tx	Pet I		o ~	NT 6.2	Nf 5.3	NT 5.5	10	7~	ര	70	M 6.1	•	•	•	
Processing	<del>                                     </del>		The Series		PERCENT 29 5. 29 6.	PERCENT 33 6.	PERCENT	PERCENT 30 5.	PERCENT	P ERC ENT 47 6. 45 5.	PERCENT	PERCENT	PERCENT	PERCENT	P ERC ENT	PERCENT 32 5.	
<u> </u>	Strength	o ×	न इथा		94 6	93 6	93 6	95 p	90 P 103 3	100 P 133 4 130 4	98 p	96 p	100 P	99 p	100 p	100 p	
	<del></del>	$\overline{}$													6		
	2 8 8 8 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4		Pet		6.2	4.9	7.5	6.7	5.6	5.8	5.3	4.9	5.4	5.8	5.	5.8	
	Color Raw Stock	Yel	읾		<i>ო</i> ო	2	60	m	8	m 20	m	m	2	7	m	7	
		Gra	읽		10	-	2	7	0	1 2	1	7	7	-	7	0	
	S.A.	Lint	Pct		3 2.3 2.1	2.2	3 2.6	1.7	1.5	2.0	1.7	3.0	3.2	2.7	2.2	2.0	
s t	Elon- gat'n	1/8"	Pct		LLE 21 8.2 7.4	NE 61 7.7	LLE 213	NE 61 6.6	NE 16 8.2	5 J-2 5 • 7 5 • 4	S.J-2 6.1	J-2 6.6	J-2 6.6	J-2 6-1	J-2 6.2	NE 61 6.6	
est Results	Fiber Strength	1/8 Gage	G/tex		STONEVILLE 20 8.20 7.	DELTAPINE 22 7	STONEVILLE 21 5.8	0ELTAPINE 61 23 6.6	OELTAPINE 22 8.	ACALA S 27 27	ACALA S	ACALA S	ACALA S	ACALA S 25	ACALA S 26	0ELTAPINE 61 23 6.6	
Fiber Te	Fi	Zero Gage	Mpsi		77	18	85	85	82	97	16	90	18	89	89	8	
		М1Ке	Eg.		4 4 6 6	4.2	4.8	5.1	4.4	3.8	4.2	4.3	3.7	3.8	3.7	4.8	
	al graph	Unif.	Pct		11	**	77	45	*	45	<b>45</b>	14	9+	45	45	4	rass
		2.5% span	티		1.06	1.08	1.04	1.09	1.11	1.11	1.12	1.14	1.15	1.12	1.12	1.06	because of grass
		Stple	32s	AREA	35	35	34	35	35	36	36	36	36	35	35	35	becau
Area,	_	$\Box$		¥	31 31	41	41	31	12	40 51⊥∕	3.1	41	41	41	41	31	177 11
Production Area,	Sample Number	No Grade Name & Code		WEST	ARIZONA BOWLE 2 MID 3 MID	CASA GRANDE 3 SLM	GILA BEND 3 SLM	RCLL 3 MIO	WENDEN 3 SM	CALIFDRNIA CARUTHERS 1 SLM PLUS 3 LM	FIREBAUGH 1 MIO	FIVE POINTS 3 SLM	HUFON 3 SLM	LOST HILLS 3 SLN	SHAFTER 3 SLM	WESTMORLAND 2 MIO	1/ Reduced from $41$

	Spin. Poten- tial	No		57		109		97
	50s or	&		10		28 15	20	14 8 23 14
rns	Imprfect'ns 22s or 50s or 27 tx 12 tx	N0   		11 6		37 20	25	19 8 31 17
rded Ya	ance Ix	NO NO		80		0.6	70	70 90 60 70
ts - Ca	Appearance Index 22s or 50s or 27 tx 12 tx	<sub>8</sub>		120		90	6	100 100 80 90
st Resul	, or	Pet		5.3		5.0	6.3	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Processing Test Results - Carded Yarns	Elongation 22s or 50s 27 tx 12 t	Pct		ENT 6.1 6.3		ENF 6.3 6.8	<b>7.</b> 5	ENT 6.5
Proces	th 50s or 12 tx	I.bs		PERCENT 35 6.			66	) PERCENT 52 6. 59 6. 55 6.
	Strength Elonga 22s or 50s or 27 tx 12 tx 27 tx	sdl		95 102 123		96 143 165	176	90 139 161 143 164
	P & C and Comber Waste	Pct		6.4		7.7 12.7	14.4	7.8 13.7 9.4 14.5
	Color Raw Stock Gra Yel	္ကို		× *		~ *	۸*	* <del></del> *
	Color Raw Sto Gra Ye	윌		7		0	-	
	S.A. Non- Lint	Pct		2.2		4.0	5.1	3.6
t's	Elon- gat'n 1/8"	Pet		310		V-1151 6.7	6.2	ACALA 1517-70 26 6.1 29 6.4
Fiber Test Results	er gth 1/8"	Gage G/tex		COKER 310 24 7		ACALA 1517-V 26 6.7	59	ACALA 26 29
iber Tes	Fiber Strength Zero 1/8	Gage   Mpsi		79		<b>7</b> 8	06	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
E4	Mike	Rdg		4.6		3.5	3°3	3.5
	al aph Unif.	Pet		5		14	45	44
	Digital Fibrograph 2.5% Un	span In		41 34 1-10		1.18	1.19	36 1.18 36 1.19
	3+21 e [#2]	32s	AREA	34	AREA	37	37	
Area,			Ä	14	∢	41	20	<b>41</b>
Production Area,	Classification & & Sample Number Grade	Name & Code	SOUTHEAST	ALABAMA Alberta 3 Slm	WEST	NEW MEXICO TULAROSA 2 SLM	3 LM PLUS	WEST TEXAS CLINT 2 SLM 3 LM PLUS

\* Comber Waste and Combed Yarn Data

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1	1	h	1						- 10 -	
	Imprfect'ns		Z 2	<u> </u>	-	-		<b>-</b> .	- 4	
		50s or	ş 1	1	-	, ,	,	, ۱	N W	. 2
arns	Appearance Index	50s or 80s or 50s or 80s or 50s or 80s or 12 tx 7 tx 12 tx 7 tx	<u> </u>	1	9	2 0			06	100
Processing Test Results - Combed Yarns	Appeara	80s or 50s or 7 tx 12 tx	No.	l	011	120	011	2 2	110	100
lts - C	Elongation	80s or	St.		9.	7.	4.4	7-7	6	4.7
st Resu	Elong	50s or 12 tx	Pet		5.5	5.5	5.4	5.6	5.6	5.7
ing Te	ngth	Bos or 7 tx	I.bs		41 44		II čě	35	36	37
Process	Strength	50s or 12 tx	ន្ទីជ		PERCENT 65	PERCENT 66	100 PERCENT •9 66	PERCEN <b>67</b>	PERCENT 67	100 PERCENT
	P & C Combon	Waste	Pet		100	93 15.5	100	94 PERCENI 16.0 67	85 17.9	1000 1
			Pet		9•9	0-7	7.4	9.9	7.2	6.2
	Color Raw Stock	Yel	S		9	2	Ŋ	'n	Ŋ	2
	Color Raw Sto	Gra	윌		æ	4	4	m	*	<b>.</b>
	S.A.	Non- Lint	let Fet		2.9	4	0	2	2	~
		gat'n   N	1		2	3.4	3.0	2.2	4.2	1.7
ts	Elo	gat 1/	퇿		5 7.1	7.9	7.1	7.8	7:1	7.6
Resul		1/8" Gage	C/tex		PIMA S-5	MA S-5	PIMA S-5	PIMA S-5	PIMA S-4	PIMA S-5
Test	pe.		Í		PIN 36	P IM.	PIN 34	PI H.	PIM/ 33	95 35
Fiber Test Results		2 2	Mpsi		105	102	103	66	104	102
		Mike	쮩		3.9	3.9	3.6	3.5	3.0	3.3
	Array ength	CΛ	띪		31	31	33	30	32	56
	Array Length	TON	티		1.58	1.52	1.44	1.47	1.43	1.50
		Stple	32s	AREA						
Area,	ber			AR	46	46	4	4 4	4	9
tion	& Num	Grade Name & Code			NDE 3	4	4	m	4	m
Production Area, Classification	& Sample Number	No Name		WEST	ARIZONA CASA GRANDE 2	SAFFORO 3	WENDEN 2	NE MEXICO COLUMBUS	WEST TEXAS EL PASO 3	TORNILLO

Table 5--Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1976